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Project No. _____

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Purpose: Mg titration in Pcray pMC9 with Tag and Tag + D.V.

did at 200 μ M dNTP.

14 μ M primer
50 μ M template

Mg 1, 1.5, 2, 2.5, 3 mM
(11-13) 2U

(2 + 0.02) number

prepared premix with Tag or Tag + D.V. separately 45'

added diff amount of Mg in ϕ al

same cycling conditions

Result:

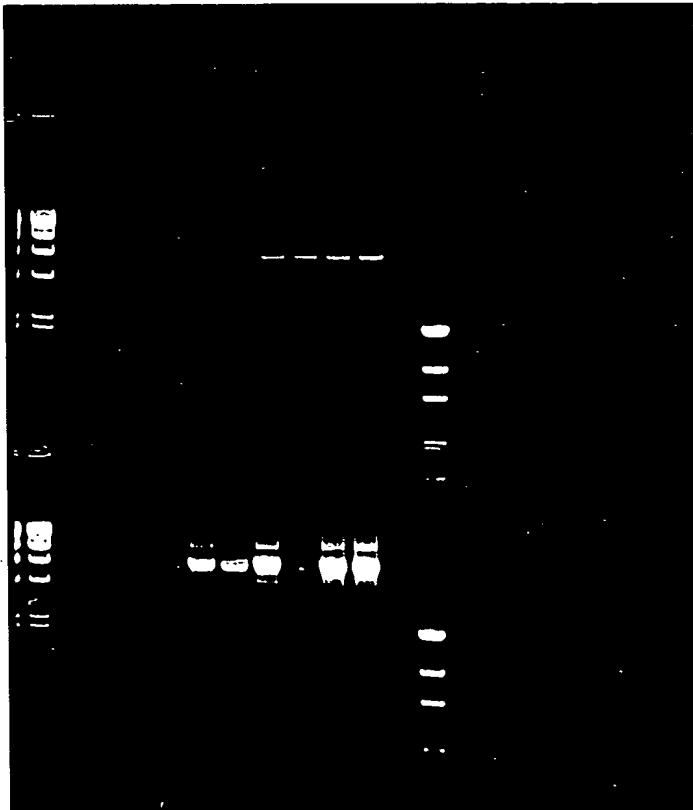
Tag 2U.

2U of Tag: increase the conc of Mg to 2.5 mM

2U considerably increase the product yield

2U Tag + 0.02 U D.V. even at 1.5 mM Mg product seen.

more product as well as more mispriming with increasing conc Mg.



1 1.5 2 2.5 3 mM Tag + D.V. 2U + 0.02

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Witnessed & Understood by m ,

Dat

Inv nted by

Date

Rec rded by

12/28/94

k. Abraham